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Office Memorandum • UNITED STATES GOVERNMENT

TO : The Files

DATE: 26 March 1957

FROM :

SUBJECT: Ground Communications System

EDS	2	REV DATE	13/3/80	BY	037169
ORIG COMP	33	ORI	56	TYPE	02
ORIG CLASS	5	AL SA	2	REV CLASS	C
JUST	22	REASON	2010	AUTH	HR 10-2

1. On Friday, March 15, at 10:00 A.M. at 2602 Alcott Hall, an informal conference was held by personnel of this Office with a representative of [] to discuss a ground communications system developed for TSS. In attendance at this meeting were:

2. [] is head of the Communications Section [] and was project engineer on the ground communications system. This equipment was developed in 1954-55 as a secure communications system to transmit 30 kc signals through the ground for short range (one mile) CW communications. TSS is no longer interested in this system and has turned its two field sets over to this office for possible exploitation. A field test has been scheduled for April at the R&D Laboratory to determine the operational value of this system and especially the atmospheric radiation, if any, of the equipment.

3. [] stated that the equipment had been developed under severe operational limitations, principally the requirement that the set be man-portable and powered by a self contained rechargeable battery source. He stated that increased efficiency of the system might be possible through the use of a dielectric reflector buried in the ground behind each set and indicated that his company was willing to submit a proposal describing the work they would like to do under a further study contract. [] said that FI is interested in a ground communications system for voice operation over a 5-mile distance, and [] was ready to submit a proposal on this requirement also. He was told, however, that no proposals were desired at this date and that this Office was interested only in a full evaluation of the equipment already delivered to TSS.

4. The [] according to [] is [] conducting studies and limited fabrication in all phases of electronics, principally under government contracts. []

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 has had a contractual clearance with this organization since October of 1954, and is still handling active contracts for TSS.

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